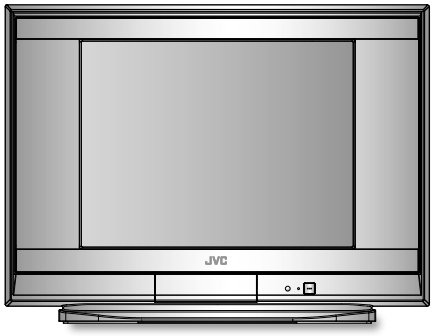
JVC

COLOUR TELEVISION
INSTRUCTIONS



This illustration shows AV-21QMG7

AV-21Q17
AV-21QMG7
AV-21QMG7B
AV-21S19

Contents

Safety precautions 2
Connections 3
Initial settings 3

Remote control buttons and functions 4
TV buttons and functions 4
Using the TV's MENU 5
Presetting TV channels 6
Using the timer 7
Playing game 7
Sound and Colour system in your country or region 7

Troubleshooting ..... Back cover
Specifications ..... Back cover

PREPARATION

FUNCTIONS

REFERENCE

The illustrations of AV-21QMG7 is used in this instruction manual for explanation purpose.
Your TV may not look exactly the same as illustrated.

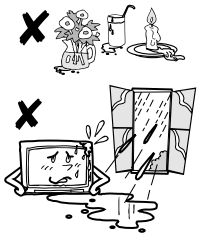
GGT0177-002A-H

Thank you for buying this JVC colour television.
To make sure you understand how to use your new TV, please read this manual thoroughly before you begin.

WARNING

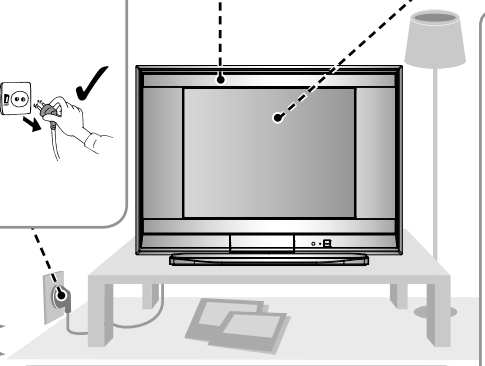
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Do not allow objects or liquid into the cabinet openings.



- Operate only from the power source indicated on the rear of the TV.
- Avoid damaging the power cord and mains plug. When unplugging the TV, grasp the mains plug. Do not pull on the power cord.
- This TV can be turned on/off power by connecting/disconnecting the AC plug into AC outlet. While this TV is being installed, enough space should be reserved for connection/disconnecting the AC plug into AC outlet by hand.

In the event of a fault, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

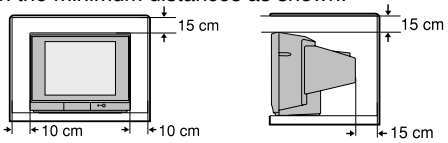


- Never listen to headphones at high volume! - It may damage your hearing.

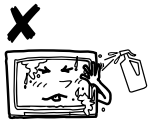
CAUTION

TO ENSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS TV.

- Never block or cover the ventilation openings.
- Never install the TV where good ventilation is unattainable.
- When installing this TV, leave spaces for ventilation around the TV of more than the minimum distances as shown.



- The surface of the TV screen is easily damaged. Be very careful with it when handling the TV. Should the TV screen become soiled, wipe it with a soft dry cloth. Never rub it forcefully. Never use any cleaner or detergent on it.



If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television.
- Only using furniture that can safely support the television.
- Ensuring the television is not overhanging the edge of the supporting furniture.
- Not placing the television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.
- Not standing the televisions on cloth or other materials placed between the television and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television or its controls.

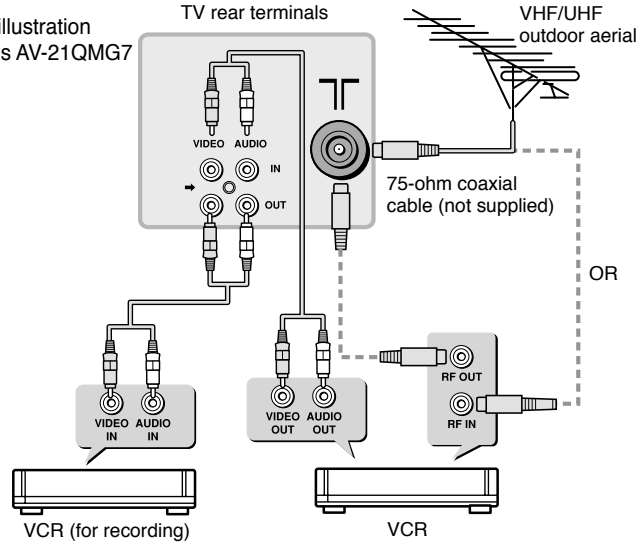
Connections

CAUTION

Ensure to turn off all equipments including the TV before connecting the AC mains plug to the AC outlet.

Connecting to the aerial cable and VCR

* This illustration shows AV-21QMG7



Connecting to the TV front terminals

* This illustration shows AV-21QMG7

After all the connections have been made, insert the mains plug to the AC outlet.

Initial settings

1 **Turn on the TV.**

JVC

JVC logo appears.

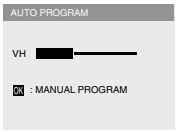
OK or wait 15 seconds to run Setup Tour

2 **Select a language.**

❶ Select

❷ Proceed to AUTO PROGRAM

Searching for the channels.

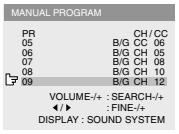


OK to stop or wait until AUTO PROGRAM finishes

Note

This Language Menu's on screen is used for explanation purpose only. Your TV may not show the same as this on screen.

3 **Search a channel manually or fine-tune a channel.**



To perform manual search and fine-tune (FINE), ➡ page 6.

MENU or TV/VIDEO

To complete Setup Tour

To restart Setup Tour after above setup has completed

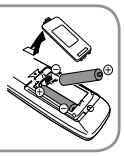
MENU (while the cursor is pointing to PICTURE MODE and within 3 seconds)

If you press DISPLAY when LANGUAGE is displayed (Step 2), the screen will exit to MENU.

PREPARATION

Remote control buttons and functions

- Insert two batteries by following the ⊕ and ⊖ polarities and inserting the ⊖ end first.
- Use AA/R6/UM-3 dry cell batteries.
- If the remote control does not work properly, fit new batteries. The supplied batteries are for testing, not regular use.



WARNING:
Batteries shall not be exposed to excessive heat such as direct sunshine, fire or the like.

If this symbol is shown, it is only valid in the European Union.

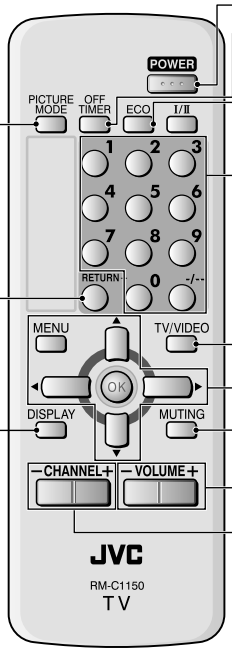
Select PICTURE MODE (➡ page 5)

RETURN PLUS function
Return to the frequently viewed channel.

Choose the channel you want to programme	RETURN+ Press and hold	RETURN PLUS PROGRAMMED!
To cancel	RETURN+ Press and hold	RETURN PLUS CANCELED!

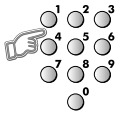
RETURN function
If you have not set or have canceled the RETURN PLUS channel, this will return to the previously viewed channel.

Display the programme number or video terminal number.

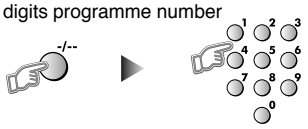


Turn the TV on from standby and vice versa
Set OFF TIMER (➡ page 7)
Select ECO MODE (➡ page 5)

Select programme number

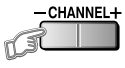


For two digits programme number



Select TV or video input
Operating the menus (➡ page 5)
Turn the volume Off / On
Adjust the volume level, Turn off Muting

Select Channel
Select the desired channel number.
For Hyper Scan:

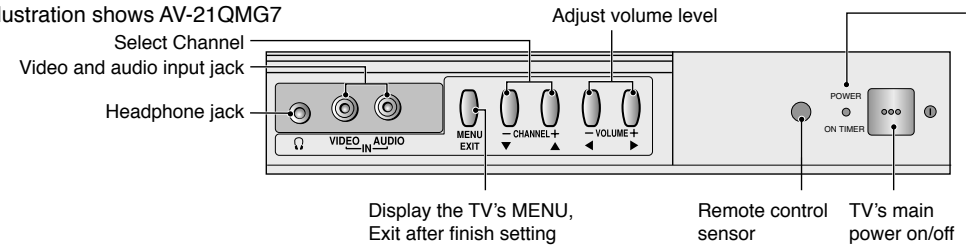


Press and hold

PR changes without changing the picture. Once you stop pressing CHANNEL+ or CHANNEL- button, picture will change to the desired PR.

TV buttons and functions

* This illustration shows AV-21QMG7

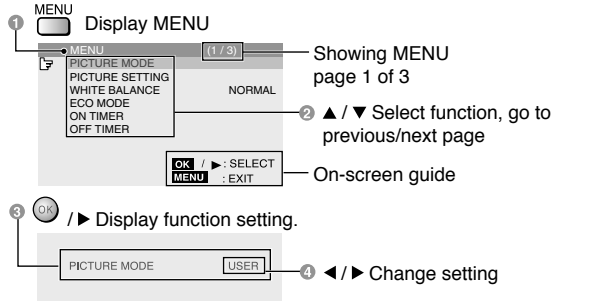


POWER lamp - Indicates the TV's status.
No colour : TV's main power is being turned off.
Red : TV's main power is being turned on.
Blink : While the TV is in standby mode, ON TIMER function is in used. While the TV is in turn on mode, OFF TIMER function is in used.

Note: When you turn off the power switch while TV is in standby mode, the power lamp will go off in 5 -10 seconds. When you operate the TV, POWER Lamp will blink.

Using the TV's MENU

Operating the menus



- To return to previous screen DISPLAY
- To exit from Menu MENU or TV/VIDEO

MENU	Item	Description (Setting / Adjustment)
PICTURE MODE	USER	Change picture settings (➡ PICTURE SETTING)
	VIVID	Heightens contrast and sharpness
	SOFT	Softens contrast and sharpness
PICTURE SETTING ■ PICTURE SETTING can operate when PICTURE MODE is set to USER (➡ PICTURE MODE) On screen scale colour Center position : Yellow Others position : Green	CONTRAST	Adjust contrast (Lower ⟷ Higher)
	BRIGHT	Adjust brightness (Darker ⟷ Brighter)
	SHARP	Adjust sharpness (Softer ⟷ Higher)
	COLOUR	Adjust colour (Lighter ⟷ Deeper)
	TINT	Adjust colour tint (Reddish ⟷ Greenish)
	RESET	Reset all items level to center
WHITE BALANCE	NORMAL	Normal white balance
	COOL	Bluish white
	WARM	Reddish white
ECO MODE ■ Adjust picture contrast according to room brightness	OFF	Cancel the function
	ECO-1	Mild contrast (recommended)
	ECO-2	Even contrast

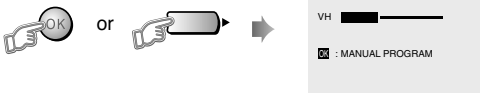
ON TIMER	Turns on the TV from standby mode (➡ page 7)	
OFF TIMER	Turns off the TV to standby mode (➡ page 7)	
AI VOLUME	ON	Sets the volume level for all channels and video inputs automatically depends on the strength of signal from the source.
	OFF	Volume can be adjusted individually for each channel
CHILD LOCK	ON	Disable the front buttons of the TV
	OFF	Cancel the function
BLUE BACK	ON	Displays a blue screen and mutes the sound when signal from the aerial is weak or absent
	OFF	Cancel the function
VNR ■ To reduces the picture noise	AUTO	Effect of VNR is automatically controlled
	MIN	Effect of VNR becomes minimum
	MAX	Effect of VNR becomes maximum
	OFF	Cancel the function
GAME	Select a game to play (PUZZLE / TWINS) (➡ page 7)	
LANGUAGE	Choose your desired on screen display language.	
AUTO PROGRAM	Automatically registers channels (➡ page 6)	
MANUAL PROGRAM	Manually search channels and fine-tunes channels (➡ page 6)	
INSERT / DELETE	Add, delete and move registered channels (➡ page 6)	
COLOUR SYSTEM	Select the appropriate system In TV mode : (AV-21Q17 / AV-21S19 : AUTO / PAL / SECAM) (Other models : AUTO / PAL / SECAM / NTSC3.58 / NTSC4.43) In VIDEO mode (All models) : (AUTO / PAL / SECAM / NTSC3.58 / NTSC4.43) (➡ page 7)	
SOUND SYSTEM	Select the appropriate system: (AV-21Q17 / AV-21S19 : BG / I / DK) (Other models : BG / I / DK / M) (➡ page 7)	

Presetting TV channels

AUTO PROGRAM

1 (MENU) ➡ (AUTO PROGRAM)

2



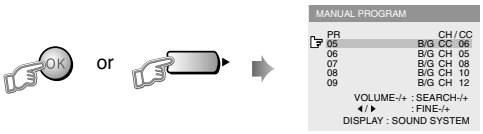
3 OK to stop or when AUTO PROGRAM finishes.

4 MANUAL PROGRAM screen appears (➡ MANUAL PROGRAM).

MANUAL PROGRAM

1 (MENU) ➡ (MANUAL PROGRAM)

2



3

To search for a channel manually (SEARCH)	1. Select the PR number you wish to store the channel. 2. Press the VOLUME +/- button to start searching from the present channel. Searching stops when the following channel is found.
To fine-tune a channel (FINE)	1. Select the channel you wish to fine-tune. 2. Press the ◀ or ▶ button until a clear picture is obtained.

If noisy sound is heard and unsuitable sound system for your broadcasting (➡ Page 7)	1. Press DISPLAY button then on screen will change to Sound System, 2. Choose an appropriate sound system.

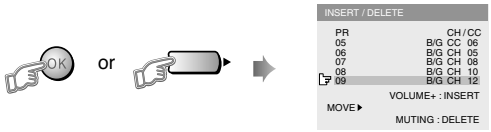
4 MENU to exit.

INSERT / DELETE

After this operation, other channel's PR number will be changed.

1 (MENU) ➡ (INSERT / DELETE)

2



3

To add the new channel (INSERT)	1. Select the PR number you wish to store the new channel. 2. Press the VOLUME+ button. 3. Press ▶ button to choose “CH” or “CC”. 4. Enter the CH/CC number for the channel you wish to add. The TV starts to search for the channel. Certain channels are not available in some countries. If you cannot receive a channel by INSERT, use MANUAL PROGRAM.
To delete a channel (DELETE)	Select the channel you wish to delete and press MUTING.
To change the PR number (MOVE)	1. Select the PR number you wish to move. 2. Press the ▶ button. 3. Press ▲ or ▼ button to move it to the new PR number. 4. Press ◀ button.

4 MENU to exit.

Channel table

CH/CC	CCIR	OIRT	CH/CC	CCIR	OIRT	CH/CC	CCIR	OIRT
CH02	E2	R1	CH21	E21		CC01	S-1	
CH03	E3		CH22	E22		CC02	S-2	
CH04	E4	R2	↓	↓		↓	↓	
CH05	E5	R6						
CH06	E6	R7						
CH07	E7	R8				CC41	S-41	
CH08	E8	R9				CC75	X	
CH09	E9					CC76	Y	R3
CH10	E10	R10				CC77	Z	R4
CH11	E11	R11				CC78	Z+1	R5
CH12	E12	R12	CH69	E69		CC79	Z+2	

CCIR: Middle East, Southeast Asia, etc.. OIRT: Russia etc..

Using the timer

ON TIMER

1 (MENU) ➡ (ON TIMER)

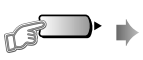
2

3 Choose the PR (channel) that you want to watch when the TV turns on. External input, AV position and any un-preset channel cannot be chosen for PR.

4 Set the ON TIMER to your desired period of time. When the ON TIMER is set to other than 00:00, the ON TIMER is activated. You can set the period of time to a maximum of 12 hours in 15-minute intervals.

5 To off the ON TIMER, set the time to 00:00.

OFF TIMER

1 (MENU) ➡ (OFF TIMER) ➡  ➡

Note You can select OFF TIMER function by direct key.

2 You can set the period of time to a maximum of 120 minutes in 10 minutes intervals.

3 When the remaining elapse time is one minute, “GOOD NIGHT!” appears on the screen.

4 You can display the OFF TIMER screen again to confirm or change the remaining time.

5 To off the OFF TIMER, select OFF or turn off the TV’s main power.

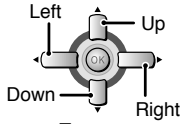
Playing game

1 (MENU) ➡ (GAME)

2 Select a game.

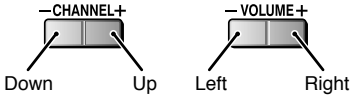
PUZZLE	This game needs you to rearrange the numbers 1 to 15 in order by swapping the blank card with the numbered card.
TWINS	This game needs you to find all the matching pairs of cards. If you open a correct pair, the card will stay uncovered. If you miss, they will flip back.

Instructions to play



To move

OR



To move

To open a card (TWINS only)

To restart the game

To exit the game

Sound and Colour system in your country or region

Area	Country or Region	Sound System	Colour System
Asia, Middle East	Bahrain, Kuwait, Oman, Qatar, United Arab Emirates, Yemen, etc. Indonesia, Malaysia, Singapore, Thailand, India, etc	B/G	PAL
	China, Vietnam, etc.	D/K	
	Hong Kong, etc.	I	
	Islamic Republic of Iran, Lebanon, Saudi Arabia, etc.	B/G	SECAM
	Philippines, Taiwan, Myanmar, etc.	M	NTSC
Europe	Russia, etc.	D/K	SECAM
	Czech Republic, Poland, etc.		PAL
	Germany, Holland, Belgium, etc.	B/G	
	UK, etc.	I	
Oceania	Australia, New Zealand, etc.	B/G	PAL
Africa	Republic of South Africa, etc.	I	PAL
	Nigeria, etc.	B/G	
	Egypt, Morocco, etc.		SECAM

Troubleshooting

If a problem occurs when you are using the TV, check the below troubleshooting guide before calling for repair.

Problem	Cause / Solution
No or poor picture	• Turn OFF BLUE BACK if it is ON. (➡ page 5) • Adjust the COLOUR or BRIGHT setting. Refer to "PICTURE SETTING". (➡ page 5) • Choose the appropriate colour system. (➡ page 5)
Snowy picture	• Check the aerial and TV connections. (➡ page 3)
Stripes or coloured patches appeared	• Interference caused by electrical appliances or speakers. Move them away from the TV.
Double-picture (ghosting)	• Interference caused by signal reflecting from mountains or buildings. Adjust the aerial's direction or use another antenna.
No or poor sound	• Choose the appropriate sound system. (➡ page 5)
White and bright still image looks as if it is coloured	• Inevitable phenomenon due to the nature of the picture tube. This is not a malfunction.
Image from video input is distorted	• The image was not properly recorded. This is not a malfunction.
Cannot operate the remote control	• Replace the batteries. (➡ page 2) • Operate it at less than 7 meters from the TV.
Cannot operate the MENU	• Exit and enter the MENU again.
Cannot operate the front panel buttons	• Turn OFF CHILD LOCK if it is ON.
Image takes a while to be displayed	• Image requires time to stabilize before display. This is not a malfunction.
TV emits crackling sound	• Caused by a sudden change in temperature and it is not a malfunction. Call a service technician for inspection.
Static shock when touch the TV screen	• Caused by static electricity of the picture tube and it will not harm the human body. This is not a malfunction.

Specifications

TV RF systems	AV-21Q17 / AV-21S19 : B, G, I, D, K Others models : B, G, I, D, K, M
Colour systems	AV-21Q17 / AV-21S19 : PAL, SECAM, NTSC 3.58 MHz / NTSC 4.43 MHz (in VIDEO mode only) Others models : PAL, SECAM, NTSC 3.58 MHz / NTSC 4.43 MHz
Receiving channels	VHF low channel (VL), VHF high channel (VH), UHF channel (U) Receives cable channels in mid band, super band and hyper band.
Power requirements	
For Malaysia	AC 160 to 240 V, 50 Hz / 60 Hz
For others	AC 110 to 240 V, 50 Hz / 60 Hz
External input / output	
INPUT	VIDEO input, AUDIO input
OUTPUT	VIDEO output, AUDIO output
Headphone jack	Stereo mini jack (3.5 mm diameter)

Design and specifications are subject to change without notice.

JVC

© 2009 Victor Company of Japan, Limited

0209SCT-NF-MT